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<141>   2002-03-01

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His Phe Gln Gly Asn Leu Ser Leu Leu Asn Glu Thr Val Pro His His
                20                  25                  30

Leu Leu Leu Asn Ala Ser His Ser Ala Phe Leu Pro Leu Gly Leu Lys
            35                  40                  45

Val Thr Ile Val Gly Leu Tyr Leu Ala Val Cys Ile Gly Gly Leu Leu
        50                  55                  60

Gly Asn Cys Leu Val Met Tyr Val Ile Leu Ser Trp Glu Gly Ile Glu
65                  70                  75                  80

Gly Asp Trp Arg Gln Gln Ala His Gln Asp Glu Asp Ser Tyr Gln His
                85                  90                  95

Leu His Ile
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<210> 14

<211> 1387

<212> DNA

<213> Rattus norvegicus

<400> 14

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accggctgct gcgtctagtc aatatcttat cttccgagca ggagctagga gccattccca     120

gccgcagcag accccaatct agagtgagag tcattgctca gtccactgtg ctcctgcctg     180

cccgcctttc tgctaagcat tggggtctat tttggcccag cttctgaaga ggctgtgtgt     240

gccgttggag gaactgtact gagtggcttt gcagggtgac agcatggagt ccctctttcc     300

tgctccatac tgggaggtct tgtatggcag ccactttcaa gggaacctgt ccctcctaaa     360

tgagaccgta ccccaccacc tgctcctcaa tgctagtcac agcgccttcc tgccccttgg     420

actcaaggtc accatcgtgg ggctctactt ggctgtgtgc atcggggggc tcctggggaa     480

ctgcctcgtc atgtatgtca tcctcaggca caccaagatg aagacagcta ccaacattta     540

catatttaat ctggcactgg ctgataccct ggtcttgcta acactgccct tccagggcac     600

agacatccta ctgggcttct ggccatttgg gaatgcactc tgcaagactg tcattgctat     660

cgactactac aacatgttta ccagcacttt tactctgacc gccatgagcg tagaccgcta     720

tgtggctatc tgccacccta tccgtgccct tgatgttcgg acatccagca aagcccaggc     780

tgttaatgtg gccatatggg ccctggcttc agtggttggt gttcctgttg ccatcatggg     840

ttcagcacaa gtggaagatg aagagatcga gtgcctggtg gagatccctg cccctcagga     900

ctattggggc cctgtattcg ccatctgcat cttccttttt tccttcatca tccctgtgct     960

gatcatctct gtctgctaca gcctcatgat tcgacgactt cgtggtgtcc gtctgctttc    1020

aggctcccgg gagaaggacc gaaacctgcg gcgtatcact cgactggtgc tggtagtggt    1080

ggctgtgttt gtgggctgct ggacgcctgt gcaggtgttt gtcctggttc aaggactggg    1140

tgttcagcca ggtagtgaga ctgcagttgc catcctgcgc ttctgcacag ccctgggcta    1200

tgtcaacagt tgtctcaatc ccattctcta tgctttcctg gatgagaact tcaaggcctg    1260

ctttagaaag ttctgctgtg cttcatccct gcaccgggag atgcaggttt ctgatcgtgt    1320

gcggagcatt gccaaggatg ttggccttgg ttgcaagact tctgagacag taccacggcc    1380

agcatga                                                             1387
```

<210> 15

<211> 367

<212> PRT

<213> Rattus norvegicus

<400> 15

Met Glu Ser Leu Phe Pro Ala Pro Tyr Trp Glu Val Leu Tyr Gly Ser
1   5   10   15

His Phe Gln Gly Asn Leu Ser Leu Leu Asn Glu Thr Val Pro His His
            20   25   30

Leu Leu Leu Asn Ala Ser His Ser Ala Phe Leu Pro Leu Gly Leu Lys
        35   40   45

Val Thr Ile Val Gly Leu Tyr Leu Ala Val Cys Ile Gly Gly Leu Leu
        50   55   60

Gly Asn Cys Leu Val Met Tyr Val Ile Leu Arg His Thr Lys Met Lys
65   70   75   80

Thr Ala Thr Asn Ile Tyr Ile Phe Asn Leu Ala Leu Ala Asp Thr Leu
                85   90   95

Val Leu Leu Thr Leu Pro Phe Gln Gly Thr Asp Ile Leu Leu Gly Phe
            100   105   110

Trp Pro Phe Gly Asn Ala Leu Cys Lys Thr Val Ile Ala Ile Asp Tyr
            115   120   125

Tyr Asn Met Phe Thr Ser Thr Phe Thr Leu Thr Ala Met Ser Val Asp
    130   135   140

Arg Tyr Val Ala Ile Cys His Pro Ile Arg Ala Leu Asp Val Arg Thr
145   150   155   160

Ser Ser Lys Ala Gln Ala Val Asn Val Ala Ile Trp Ala Leu Ala Ser
                165   170   175

Val Val Gly Val Pro Val Ala Ile Met Gly Ser Ala Gln Val Glu Asp
            180   185   190

Glu Glu Ile Glu Cys Leu Val Glu Ile Pro Ala Pro Gln Asp Tyr Trp
            195   200   205

Gly Pro Val Phe Ala Ile Cys Ile Phe Leu Phe Ser Phe Ile Ile Pro
    210   215   220

Val Leu Ile Ile Ser Val Cys Tyr Ser Leu Met Ile Arg Arg Leu Arg
225   230   235   240

Gly Val Arg Leu Leu Ser Gly Ser Arg Glu Lys Asp Arg Asn Leu Arg
                245   250   255

Arg Ile Thr Arg Leu Val Leu Val Val Val Ala Val Phe Val Gly Cys
            260   265   270

Trp Thr Pro Val Gln Val Phe Val Leu Val Gln Gly Leu Gly Val Gln

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```
Pro Gly Ser Glu Thr Ala Val Ala Ile Leu Arg Phe Cys Thr Ala Leu
    290                 295                 300

Gly Tyr Val Asn Ser Cys Leu Asn Pro Ile Leu Tyr Ala Phe Leu Asp
305                 310                 315                 320

Glu Asn Phe Lys Ala Cys Phe Arg Lys Phe Cys Cys Ala Ser Ser Leu
                325                 330                 335

His Arg Glu Met Gln Val Ser Asp Arg Val Arg Ser Ile Ala Lys Asp
                340                 345                 350

Val Gly Leu Gly Cys Lys Thr Ser Glu Thr Val Pro Arg Pro Ala
            355                 360                 365
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<210> 16

<211> 1372

<212> DNA

<213> Rattus norvegicus

<400> 16

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accggctgct gcgtctagtc aatatcttat cttccgagca ggagctagga gccattccca     120

gccgcagcag accccaatct agagtgagag tcattgctca gtccactgtg ctcctgcctg     180

cccgcctttc tgctaagcat tggggtctat tttggcccag cttctgaaga ggctgtgtgt     240

gccgttggag gaactgtact gagtggcttt gcagggtgac agcatggagt ccctctttcc     300

tgctccatac tgggaggtct tgtatggcag ccactttcaa gggaacctgt ccctcctaaa     360

tgagaccgta ccccaccacc tgctcctcaa tgctagtcac agcgccttcc tgccccttgg     420

actcaaggtc accatcgtgg ggctctactt ggctgtgtgc atcgggggggc tcctggggaa     480

ctgcctcgtc atgcacacca agatgaagac agctaccaac atttacatat ttaatctggc     540

actggctgat accctggtct tgctaacact gcccttccag ggcacagaca tcctactggg     600

cttctggcca tttgggaatg cactctgcaa gactgtcatt gctatcgact actacaacat     660

gtttaccagc acttttactc tgaccgccat gagcgtagac cgctatgtgg ctatctgcca     720

ccctatccgt gcccttgatg ttcggacatc cagcaaagcc caggctgtta atgtggccat     780

atgggccctg gcttcagtgg ttggtgttcc tgttgccatc atgggttcag cacaagtgga     840

agatgaagag atcgagtgcc tggtggagat ccctgcccct caggactatt ggggccctgt     900

attcgccatc tgcatcttcc ttttttcctt catcatccct gtgctgatca tctctgtctg     960

ctacagcctc atgattcgac gacttcgtgg tgtccgtctg ctttcaggct cccgggagaa    1020

ggaccgaaac ctgcggcgta tcactcgact ggtgctggta gtggtggctg tgtttgtggg    1080
```

```
ctgctggacg cctgtgcagg tgtttgtcct ggttcaagga ctgggtgttc agccaggtag      1140

tgagactgca gttgccatcc tgcgcttctg cacagccctg ggctatgtca acagttgtct      1200

caatcccatt ctctatgctt tcctggatga gaacttcaag gcctgcttta gaaagttctg      1260

ctgtgcttca tccctgcacc gggagatgca ggtttctgat cgtgtgcgga gcattgccaa      1320

ggatgttggc cttggttgca agacttctga gacagtacca cggccagcat ga              1372
```

<210> 17

<211> 362

<212> PRT

<213> Rattus norvegicus

<400> 17

```
Met Glu Ser Leu Phe Pro Ala Pro Tyr Trp Glu Val Leu Tyr Gly Ser
1               5                   10                  15

His Phe Gln Gly Asn Leu Ser Leu Leu Asn Glu Thr Val Pro His His
            20                  25                  30

Leu Leu Leu Asn Ala Ser His Ser Ala Phe Leu Pro Leu Gly Leu Lys
        35                  40                  45

Val Thr Ile Val Gly Leu Tyr Leu Ala Val Cys Ile Gly Gly Leu Leu
    50                  55                  60

Gly Asn Cys Leu Val Met His Thr Lys Met Lys Thr Ala Thr Asn Ile
65                  70                  75                  80

Tyr Ile Phe Asn Leu Ala Leu Ala Asp Thr Leu Val Leu Leu Thr Leu
                85                  90                  95

Pro Phe Gln Gly Thr Asp Ile Leu Leu Gly Phe Trp Pro Phe Gly Asn
            100                 105                 110

Ala Leu Cys Lys Thr Val Ile Ala Ile Asp Tyr Tyr Asn Met Phe Thr
            115                 120                 125

Ser Thr Phe Thr Leu Thr Ala Met Ser Val Asp Arg Tyr Val Ala Ile
    130                 135                 140

Cys His Pro Ile Arg Ala Leu Asp Val Arg Thr Ser Ser Lys Ala Gln
145                 150                 155                 160

Ala Val Asn Val Ala Ile Trp Ala Leu Ala Ser Val Val Gly Val Pro
                165                 170                 175

Val Ala Ile Met Gly Ser Ala Gln Val Glu Asp Glu Glu Ile Glu Cys
            180                 185                 190

Leu Val Glu Ile Pro Ala Pro Gln Asp Tyr Trp Gly Pro Val Phe Ala
            195                 200                 205

Ile Cys Ile Phe Leu Phe Ser Phe Ile Ile Pro Val Leu Ile Ile Ser
210                 215                 220
```

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```
Val Cys Tyr Ser Leu Met Ile Arg Arg Leu Arg Gly Val Arg Leu Leu
225             230             235             240

Ser Gly Ser Arg Glu Lys Asp Arg Asn Leu Arg Arg Ile Thr Arg Leu
                245             250             255

Val Leu Val Val Val Ala Val Phe Val Gly Cys Trp Thr Pro Val Gln
                260             265             270

Val Phe Val Leu Val Gln Gly Leu Gly Val Gln Pro Gly Ser Glu Thr
            275             280             285

Ala Val Ala Ile Leu Arg Phe Cys Thr Ala Leu Gly Tyr Val Asn Ser
            290             295             300

Cys Leu Asn Pro Ile Leu Tyr Ala Phe Leu Asp Glu Asn Phe Lys Ala
305             310             315             320

Cys Phe Arg Lys Phe Cys Cys Ala Ser Ser Leu His Arg Glu Met Gln
                325             330             335

Val Ser Asp Arg Val Arg Ser Ile Ala Lys Asp Val Gly Leu Gly Cys
            340             345             350

Lys Thr Ser Glu Thr Val Pro Arg Pro Ala
            355             360
```

<210> 18

<211> 439

<212> DNA

<213> Rattus norvegicus

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<400>  18
gctcatggag gcgttcatgt gcctgttagt gtagttgtgc tgtgttctaa ggcctcagtg      60

gacggtgtct agcactgtgg ttacttgttt ctgtgccctg ttccaggaac tgtactgagt     120

ggctttgcag ggtgacagca tggagtccct ctttcctgct ccatactggg aggtcttgta     180

tggcagccac tttcaaggga acctgtccct cctaaatgag accgtacccc accacctgct     240

cctcaatgct agtcacagcg ccttcctgcc ccttggactc aaggtcacca tcgtggggct     300

ctacttggct gtgtgcatcg gggggctcct ggggaactgc ctcgtcatgt atgtcatcct     360

cagctgggag ggcattgagg gggactggag acagcaggca caccaagatg aagacagcta     420

ccaacattta catatttaa                                                  439
```

<210> 19

<211> 1243

<212> DNA

<213> Rattus norvegicus

<400> 19

```
gctcatggag gcgttcatgt gcctgttagt gtagttgtgc tgtgttctaa ggcctcagtg      60

gacggtgtct agcactgtgg ttacttgttt ctgtgccctg ttccaggaac tgtactgagt     120

ggctttgcag ggtgacagca tggagtccct ctttcctgct ccatactggg aggtcttgta     180

tggcagccac tttcaaggga acctgtccct cctaaatgag accgtacccc accacctgct     240

cctcaatgct agtcacagcg ccttcctgcc ccttggactc aaggtcacca tcgtggggct     300

ctacttggct gtgtgcatcg gggggctcct ggggaactgc ctcgtcatgt atgtcatcct     360

caggcacacc aagatgaaga cagctaccaa catttacata tttaatctgg cactggctga     420

taccctggtc ttgctaacac tgcccttcca gggcacagac atcctactgg gcttctggcc     480

atttgggaat gcactctgca agactgtcat tgctatcgac tactacaaca tgtttaccag     540

cacttttact ctgaccgcca tgagcgtaga ccgctatgtg gctatctgcc accctatccg     600

tgcccttgat gttcggacat ccagcaaagc ccaggctgtt aatgtggcca tatgggccct     660

ggcttcagtg gttggtgttc ctgttgccat catgggttca gcacaagtgg aagatgaaga     720

gatcgagtgc ctggtggaga tccctgcccc tcaggactat tggggccctg tattcgccat     780

ctgcatcttc ctttttttcct tcatcatccc tgtgctgatc atctctgtct gctacagcct     840

catgattcga cgacttcgtg gtgtccgtct gctttcaggc tcccgggaga aggaccgaaa     900

cctgcggcgt atcactcgac tggtgctggt agtggtggct gtgtttgtgg ctgctggac     960

gcctgtgcag gtgtttgtcc tggttcaagg actgggtgtt cagccaggta gtgagactgc    1020

agttgccatc ctgcgcttct gcacagccct gggctatgtc aacagttgtc tcaatcccat    1080

tctctatgct ttcctggatg agaacttcaa ggcctgcttt agaaagttct gctgtgcttc    1140

atccctgcac cgggagatgc aggtttctga tcgtgtgcgg agcattgcca aggatgttgg    1200

ccttggttgc aagacttctg agacagtacc acggccagca tga                      1243
```

<210> 20

<211> 1228

<212> DNA

<213> Rattus norvegicus

<400> 20

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gctcatggag gcgttcatgt gcctgttagt gtagttgtgc tgtgttctaa ggcctcagtg      60

gacggtgtct agcactgtgg ttacttgttt ctgtgccctg ttccaggaac tgtactgagt     120

ggctttgcag ggtgacagca tggagtccct ctttcctgct ccatactggg aggtcttgta     180

tggcagccac tttcaaggga acctgtccct cctaaatgag accgtacccc accacctgct     240

cctcaatgct agtcacagcg ccttcctgcc ccttggactc aaggtcacca tcgtggggct     300
```

```
ctacttggct gtgtgcatcg gggggctcct ggggaactgc ctcgtcatgc acaccaagat    360

gaagacagct accaacattt acatatttaa tctggcactg gctgataccc tggtcttgct    420

aacactgccc ttccagggca cagacatcct actgggcttc tggccatttg ggaatgcact    480

ctgcaagact gtcattgcta tcgactacta caacatgttt accagcactt ttactctgac    540

cgccatgagc gtagaccgct atgtggctat ctgccaccct atccgtgccc ttgatgttcg    600

gacatccagc aaagcccagg ctgttaatgt ggccatatgg ccctggcttt cagtggttgg    660

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ggatgagaac ttcaaggcct gctttagaaa gttctgctgt gcttcatccc tgcaccggga   1140

gatgcaggtt tctgatcgtg tgcggagcat tgccaaggat gttggccttg gttgcaagac   1200

ttctgagaca gtaccacggc cagcatga                                      1228
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<210>   21

<211>   887

<212>   DNA

<213>   Rattus norvegicus

<400>   21
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gacggtgtct agcactgtgg ttacttgttt ctgtgccctg ttccaggaac tgtactgagt    120

ggctttgcag ggtgacagca tggagtccct cttttcctgct ccatactggg aggtcttgta    180

tggcagccac tttcaaggga acctgtccct cctaaatgag accgtacccc accacctgct    240

cctcaatgct agtcacagcg ccttcctgcc ccttggactc aaggtcacca tcgtggggct    300

ctacttggct gtgtgcatcg gggggctcct ggggaactgc ctcgtcatgt atgtcatcct    360

cagagatcga gtgcctggtg gagatccctg cccctcagga ctattggggc cctgtattcg    420

ccatctgcat cttcctttt tccttcatca tccctgtgct gatcatctct gtctgctaca    480

gcctcatgat tcgacgactt cgtggtgtcc gtctgctttc aggctcccgg gagaaggacc    540

gaaacctgcg gcgtatcact cgactggtgc tggtagtggt ggctgtgttt gtgggctgct    600

ggacgcctgt gcaggtgttt gtcctggttc aaggactggg tgttcagcca ggtagtgaga    660
```

-17-

ctgcagttgc catcctgcgc ttctgcacag ccctgggcta tgtcaacagt tgtctcaatc   720

ccattctcta tgctttcctg gatgagaact tcaaggcctg ctttagaaag ttctgctgtg   780

cttcatccct gcaccgggag atgcaggttt ctgatcgtgt gcggagcatt gccaaggatg   840

ttggccttgg ttgcaagact tctgagacag taccacggcc agcatga   887

<210> 22

<211> 2534

<212> DNA

<213> Homo sapiens

<400> 22
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ccagctccca aggaggttgc agaagtaccg tacagagtgg atttgcaggg cagtggcatg   120

gagcccctct tccccgcgcc gttctgggag gttatctacg gcagccacct tcagggcaac   180

ctgtccctcc tgagccccaa ccacagtctg ctgcccccgc atctgctgct caatgccagc   240

cacggcgcct tcctgcccct cgggctcaag gtcaccatcg tggggctcta cctggccgtg   300

tgtgtcggag ggctcctggg gaactgcctt gtcatgtacg tcatcctcag gcacaccaaa   360

atgaagacag ccaccaatat ttacatcttt aacctggccc tggccgacac tctggtcctg   420

ctgacgctgc ccttccaggg cacggacatc ctcctgggct tctggccgtt tgggaatgcg   480

ctgtgcaaga cagtcattgc cattgactac tacaacatgt tcaccagcac cttcacccta   540

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ttcgtgctgg cccaagggct gggggttcag ccgagcagcg agactgccgt ggccattctg   1020

cgcttctgca cggccctggg ctacgtcaac agctgcctca cccccatcct ctacgccttc   1080

ctggatgaga acttcaaggc ctgcttccgc aagttctgct gtgcatctgc cctgcgccgg   1140

gacgtgcagg tgtctgaccg cgtgcgcagc attgccaagg acgtggccct ggcctgcaag   1200

acctctgaga cggtaccgcg gcccgcatga ctaggcgtgg acctgcccat ggtgcctgtc   1260

agcccgcaga gcccatctac gcccaacaca gagctcacac aggtcactgc tctctaggcg   1320

gacacaccct gggccctgag catccagagc ctgggatggg cttttccctg tgggccaggg   1380

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atgctcggtc ccagaggagg acctagtgac atcatgggac aggtcaaagc attagggcca    1440

cctccatggc cccagacaga ctaaagctgc cctcctggtg cagggccgag gggacacaag    1500

gacctacctg gaagcagctg acatgctggt ggacggccgt tactggagcc cgtgcccctc    1560

cctccccgtg cttcatgtga ctcttggcct ctctgctgct gcgttggcag aaccctgggt    1620

gggcaggcac ccggaggagg agcagcagct gtgtcatcct gtgccccca tgtgctgtgt      1680

gctgtttgca tggcagggct ccagctgcct tcagccctgt gacgtctcct caggcagct      1740

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ccctgagctt ggagctgcca cctggaggac ttgcctgttc cgactccacc tgtgcagccg     1860

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cctgactgca gcttgactct gggcccaacc cccatttccc ttcaggagac cagcgagagg     2040

ccctggccat ccctccagcg gtgcaatgaa ctatatgctg tggaccgtca acccagccct     2100

gcttctcagt gtggggcagg tgtctcagga cgaaggcgcc gcgtgaccac atgggcagct     2160

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gtgtagggcc tgagcttgct gcccaacggg aggatggctt cacagcagag ccagcatgag     2460

gggtgggggcc tggcagggct tgcttgagcc aaactgcaaa ggctgtggtg gctgtgagga    2520

cactgcgggg gttg                                                      2534
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<210> 23

<211> 171

<212> PRT

<213> Rattus norvegicus

<400> 23

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Met Glu Ser Leu Phe Pro Ala Pro Tyr Trp Glu Val Leu Tyr Gly Ser
1               5                   10                  15

His Phe Gln Gly Asn Leu Ser Leu Leu Asn Glu Thr Val Pro His His
            20                  25                  30

Leu Leu Leu Asn Ala Ser His Ser Ala Phe Leu Pro Leu Gly Leu Lys
        35                  40                  45

Val Thr Ile Val Gly Leu Tyr Leu Ala Val Cys Ile Gly Gly Leu Leu
    50                  55                  60
```

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Gly Asn Cys Leu Val Met Tyr Val Ile Leu Arg Asp Arg Val Pro Gly
65   70   75   80

Gly Asp Pro Cys Pro Ser Gly Leu Leu Gly Pro Cys Ile Arg His Leu
                85   90   95

His Leu Pro Phe Phe Leu His His Pro Cys Ala Asp His Leu Cys Leu
                100   105   110

Leu Gln Pro His Asp Ser Thr Thr Ser Trp Cys Pro Ser Ala Phe Arg
            115   120   125

Leu Pro Gly Glu Gly Pro Lys Pro Ala Ala Tyr His Ser Thr Gly Ala
        130   135   140

Gly Ser Gly Gly Cys Val Cys Gly Leu Leu Asp Ala Cys Ala Gly Val
145   150   155   160

Cys Pro Gly Ser Arg Thr Gly Cys Ser Ala Arg
                165   170

<210> 24

<211> 17

<212> PRT

<213> Rattus norvegicus

<400> 24

Phe Gly Gly Phe Thr Gly Ala Arg Lys Ser Ala Arg Lys Leu Ala Asn
1   5   10   15

Gln

<210> 25

<211> 35

<212> DNA

<213> Rattus norvegicus

<400> 25
gttggaggta agaggggccc tgttccagga actgt   35

<210> 26

<211> 35

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<213> Rattus norvegicus

<400> 32

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Ser Cys Trp Ser Leu Pro His Phe Ser Pro Ala Glu Ile
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<211> 27

<212> PRT

<213> Rattus norvegicus

<400> 33

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tgtcctaggg cctgagtgtg tttgtgttgg gtgagcccat cacattatat gtttgttaat   600

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Leu Leu Leu Asn Ala Ser His Ser Ala Phe Leu Pro Leu Gly Leu Lys
            35   40   45

Val Thr Ile Val Gly Leu Tyr Leu Ala Val Cys Ile Gly Gly Leu Leu
        50   55   60

Gly Asn Cys Leu Val Met Tyr Val Ile Leu Ser Glu Gly Ile Glu Gly
65   70   75   80

Asp Trp Arg Gln Gln Thr Ile Leu Cys Ser Trp Lys Thr Gln Ile Phe
                85   90   95

Asp Glu Leu Tyr Arg Gln Cys Pro Glu Lys Pro Leu Arg Glu Val Leu
            100   105   110

Arg Glu Thr Glu Glu Arg Arg Gln His Leu Ser Leu Leu Ile His Ser
            115   120   125

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Thr Asn Ser His Ser Gly Thr Pro Arg His Thr Lys Met Lys Thr Ala
    130   135   140

Thr Asn Ile Tyr Ile Phe Asn Leu Ala Leu Ala Asp Thr Leu Val Leu
145   150   155   160

Leu Thr Leu Pro Phe Gln Gly Thr Asp Ile Leu Leu Gly Phe Trp Pro
            165   170   175

Phe Gly Asn Ala Leu Cys Lys Thr Val Ile Ala Ile Asp Tyr Tyr Asn
        180   185   190

Met Phe Thr Ser Thr Phe Thr Leu Thr Ala Met Ser Val Asp Arg Tyr
        195   200   205

Val Ala Ile Cys His Pro Ile Arg Ala Leu Asp Val Arg Thr Ser Ser
    210   215   220

Lys Ala Gln Ala Val Asn Val Ala Ile Trp Ala Leu Ala Ser Val Val
225   230   235   240

Gly Val Pro Val Ala Ile Met Gly Ser Ala Gln Val Glu Asp Glu Glu
            245   250   255

Ile Glu Cys Leu Val Glu Ile Pro Ala Pro Gln Asp Tyr Trp Gly Pro
        260   265   270

Val Phe Ala Ile Cys Ile Phe Leu Phe Ser Phe Ile Ile Pro Val Leu
        275   280   285

Ile Ile Ser Val Cys Tyr Ser Leu Met Ile Arg Arg Leu Arg Gly Val
    290   295   300

Arg Leu Leu Ser Gly Ser Arg Glu Lys Asp Arg Asn Leu Arg Arg Ile
305   310   315   320

Thr Arg Leu Val Leu Val Val Val Ala Val Phe Val Gly Cys Trp Thr
            325   330   335

Pro Val Gln Val Phe Val Leu Val Gln Gly Leu Gly Val Gln Pro Gly
            340   345   350

Ser Glu Thr Ala Val Ala Ile Leu Arg Phe Cys Thr Ala Leu Gly Tyr
    355   360   365

Val Asn Ser Cys Leu Asn Pro Ile Leu Tyr Ala Phe Leu Asp Glu Asn
370   375   380

Phe Lys Ala Cys Phe Arg Lys Phe Cys Cys Ala Ser Ser Leu His Arg
385   390   395   400

Glu Met Gln Val Ser Asp Arg Val Arg Ser Ile Ala Lys Asp Val Gly
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Leu Gly Cys Lys Thr Ser Glu Thr Val Pro Arg Pro Ala
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<213>  Rattus norvegicus

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